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File 991505

January 30, 1968

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[Redacted]

Dear George:

The following programs have been delivered to you as part of our project JS-508:

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[Redacted]

The above are designed to accept black and white film data, and the asterisks indicate those programs functioning properly on your machine. A programmer has been reviewing the ones supplied to you which are not yet working. As soon as possible I will send you a memo concerning the errors introduced in converting our programs to your machine.

In addition, we have several other programs here, some of which are operational and some of which require further work for completion. These programs are: (\*indicates program is completed.)

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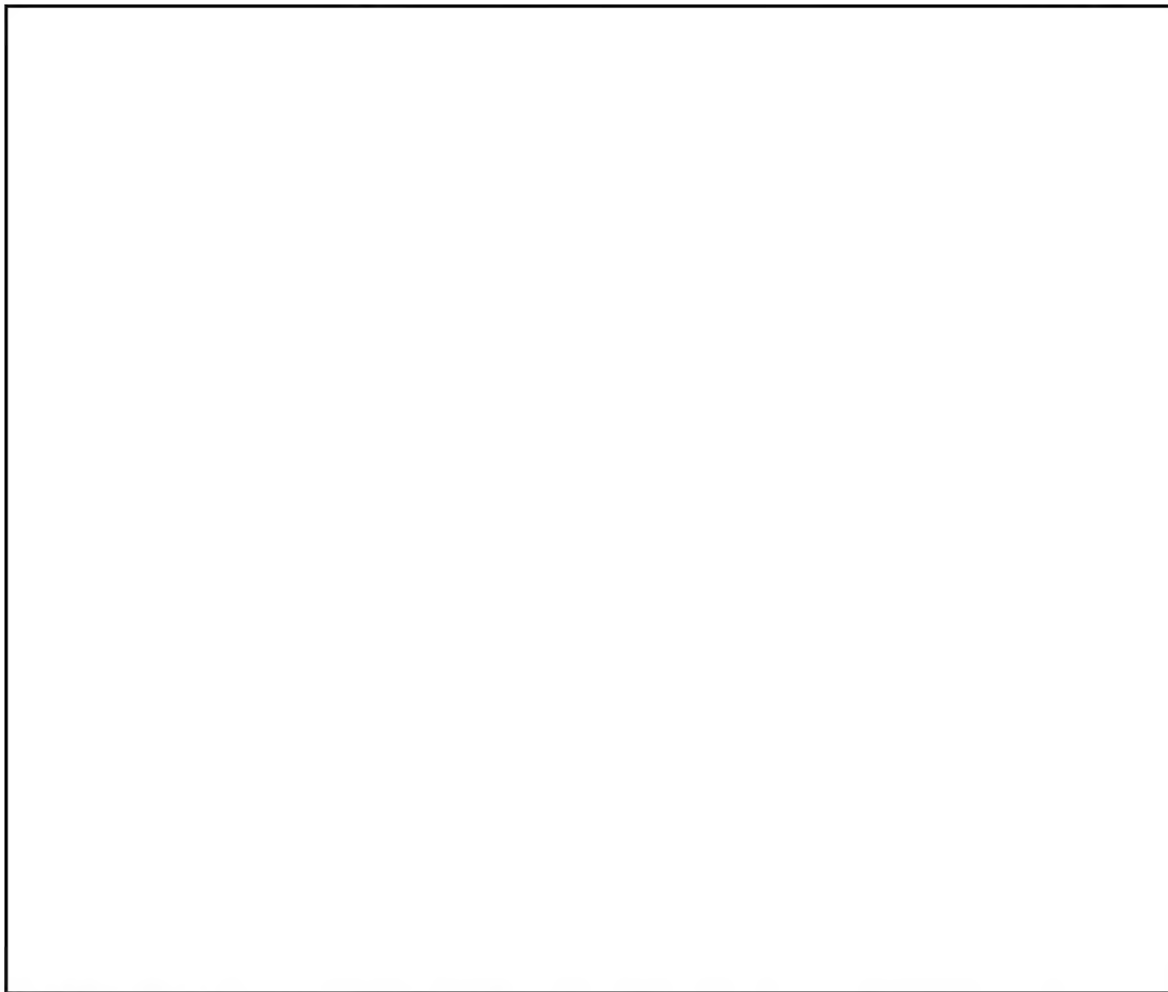
[Redacted]

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Additional work completed for the project includes the delivery of nine color micro-stepwedges on 8442, SO 151, and SO 155 film materials. The wedges were scanned by the color microdensitometer in Washington, and the data was recorded on magnetic tape for use with the IBM 360 computer programs. The single dye layer wedges were for calibration of the microdensitometer to yield analytical densities from integral filter readings for determining the mapping matrix for the color operation.

Desaturated micro-step wedges were sent containing 32 different colors on 8442, SO 151, and SO 155. The purpose of these was to test the density conversion from integral to analytical units as well as the effects on the dynamic response of each film layer of the tripack produced by the color of the exposing source.

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Nine grainless stepwedges, one each in cyan, magenta, and yellow layers of 8442, SO 151, and SO 155, were delivered to yield basic granularity data for the standard granularity analysis, in addition to providing a data base for future autocorrelation and crosscorrelation work.

Finally, macro-step wedges in individual dye layers of 8442, SO 151, and SO 155 were produced for the generation of spectrophotometric curves for each wedge density. These tests were not sent out, but were utilized here in computer data processing.

This should bring you up-to-date on our work, but if there is anything I can help you with, please don't hesitate to call.

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Sincerely,



Scientific and Engineering  
Applications Subdivision

WWM:sjb

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